

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L1    | 10   | "first cutting edge" and "second cutting edge" and roughening | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/01/13<br>14:37 |
| L2    | 114  | Iizumi-Masahito.in. or Nishimura-Kimio.in.                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/01/13<br>14:46 |
| L3    | 3    | 1 and 2   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/01/13<br>14:46 |
| L4    | 308  | 408/26.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/01/13<br>14:47 |
| L5    | 5    | 4 and (second near2 edge)                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/01/13<br>14:48 |
| L6    | 2779 | 29/888.061,888.06,459,458.ccls.                               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/01/13<br>14:49 |
| L7    | 47   | 6 and (second near2 edge)                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/01/13<br>14:50 |
| L8    | 1841 | 407/113,114.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/01/13<br>14:52 |
| L9    | 335  | 8 and (second near2 edge)                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/01/13<br>14:52 |

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| L10 | 1  | 9 and (roughen or roughening or roughened or roughens)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/13<br>14:53 |
| S1  | 2  | ("20030010201").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/12<br>13:33 |
| S2  | 2  | ("20030010201").PN. AND (SPRAY or spraying or sprayed or sprays)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/12<br>14:46 |
| S3  | 0  | ("20030010201").PN. AND (ceramic or ferrous)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/12<br>14:48 |
| S4  | 2  | ("20030010201").PN. AND (silicon or aluminum or titanium)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/12<br>14:48 |
| S5  | 0  | ("20030010201").PN. AND (titanium or tungsten or cobalt or nickel or iron)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/12<br>14:49 |
| S6  | 54 | (cylinder near2 liner) with (coat or coated or coating) with (titanium or tungsten or cobalt or nickel or iron)             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/12<br>14:50 |
| S7  | 5  | S6 and ("chemical vapor deposition" or "plasma deposition" or "thermal spray" or "fluid spray")                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/12<br>14:52 |
| S8  | 95 | (cylinder near2 liner) with (coat or coated or coating) with (titanium or tungsten or cobalt or nickel or iron or aluminum) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/12<br>14:53 |
| S9  | 97 | (cylinder near2 liner) with (coat or coated or coating) with (titanium or tungsten or cobalt or nickel or iron or aluminum) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/12<br>14:54 |

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| S10 | 11      | S9 and ("chemical vapor deposition" or "plasma deposition" or "thermal spray" or "fluid spray")   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/12 14:54 |
| S11 | 13      | (cylinder near2 liner) with (coat or coated or coating or spray or spraying or sprayed) with ("silicon nitride" or "silicon carbide" or "aluminum oxide" or "silicon dioxide" or "titanium nitride")      | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/12 15:18 |
| S12 | 5       | 123/193.2.ccls. and (liner with (coat or coated or coating or spray or spraying or sprayed) with ("silicon nitride" or "silicon carbide" or "aluminum oxide" or "silicon dioxide" or "titanium nitride")) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/12 15:47 |
| S13 | 12      | 123/193.2.ccls. and (liner with (coat or coated or coating or spray or spraying or sprayed) with (ceramic or ceramics))   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/12 15:56 |
| S14 | 847     | liner with (coat or coated or coating) with (spray or spraying or sprayed or "vapor deposition" or "plasma deposition" or "thermal spray" or "fluid spray")   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/12 16:24 |
| S15 | 9       | 123/193.2.ccls. and (liner with (coat or coated or coating) with (spray or spraying or sprayed or "vapor deposition" or "plasma deposition" or "thermal spray" or "fluid spray"))                         | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/12 16:24 |
| S16 | 60      | ("cylinder liner" with (coat or coated or coating) with (spray or spraying or sprayed or "vapor deposition" or "plasma deposition" or "thermal spray" or "fluid spray"))                                  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/12 16:35 |
| S17 | 1559701 | "16" and (titanium or tungsten or cobalt or nickel or iron or aluminum)   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/12 19:54 |
| S18 | 60      | ("cylinder liner" with (coat or coated or coating) with (spray or spraying or sprayed or "vapor deposition" or "plasma deposition" or "thermal spray" or "fluid spray"))                                  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/12 19:55 |
| S19 | 43      | S18 and (titanium or tungsten or cobalt or nickel or iron or aluminum)  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/01/12 19:55 |

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| S20 | 2 | "20030010201".pn. and aluminum | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>BM_TDB | OR | OFF | 2009/01/12<br>20:52 |
|-----|---|--------------------------------|--|----|-----|---------------------|

1/13/09 2:53:33 PM